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CLAIMS

1.- Use of a seed flour containing at least one glucosinolate and at least one enzyme chosen from the group consisting of:

- 5 - glucosidasic enzymes, and
 - thioglucosidasic enzymes;
 as soil improver.

2.- Use of a seed flour containing at least one glucosinolate and at least one enzyme chosen from the
10 group consisting of:

- glucosidasic enzymes, and
 - thioglucosidasic enzymes;
 as cytotoxic agent for soil pathogens and soil
parasites.

15 3.- Use of a seed flour containing at least one glucosinolate and at least one enzyme chosen from the group consisting of:

- glucosidasic enzymes, and
 - thioglucosidasic enzymes;
20 as fungitoxic agent for soil fungal pathogens.

4.- Use according to claim 2, in which said soil parasites are chosen from the group consisting of:

- nematodes; and
 - wireworms.

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5.- Use according to claim 2, in which said soil

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parasites are chosen from the group consisting of:

- weeds; and
- insects.

6.- Use according to claim 3, in which said flour
5 performs a fungitoxic action towards the fungi of the
genus *Fusarium* and other fungi.

7.- Use according to one of the preceding claims,
in which the seeds are chosen from the group of seeds
consisting of:

- 10 - seeds of *Brassicaceae*;
- seeds of *Capparaceae*;
- seeds of *Koeberliniaceae*;
- seeds of *Moringaceae*;
- seeds of *Resedaceae*; and
- 15 - seeds of *Toviaraceae*.

8.- Use according to one of the preceding claims,
in which the seeds are seeds of *Brassicaceae*.

9.- Use according to one of the claims from 1 to 7,
in which the seeds are seeds of *Capparaceae*.

20 10.- Use according to one of the claims from 1 to
7, in which the seeds have been chosen from the group
consisting of:

- seeds of *Brassica carinata* A. B.;
- seeds of *Eruca sativa* M.; and
- 25 - seeds of *Barbarea verna*.

11.- Use according to one of the preceding claims,

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in which said seed flour has been de-oiled.

12.- Use according to claim 11, in which the de-oiling has been performed at a temperature below 75°C.

13.- Use according to one of the previous claims,
5 in which the seeds are of at least two different vegetable varieties.

14.- Use according to one of the preceding claims, in which said enzyme is the enzyme microsinase.

15.- Use according to any one of the preceding
10 claims and comprising an identification phase to identify the seed flour containing at least one glucosinolate and at least one enzyme chosen from the group consisting of:

- glucosidasic enzymes, and
- 15 - thioglucosidasic enzymes.

16.- Use according to claim 2, in which said soil parasites are chosen from the group consisting of:

- *Fusarium culmorum*;
- *Meloidogyne incognita* (Kofoed and White)
- 20 *Chitwoody*;
- *Agriotes sordidus*;
- *Agriotes utulatus*; and
- *Agriotes brevis*.